

Nomenclatural novelties : Alexander B. Doweld

Volvoraceae Doweld, fam.nov.

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Thallus intracoenobial, sac-like with rhizoidal outgrowths. Zoospores spherical, uniflagellate (sometimes multiflagellate (up to 6 flagella known), flagellum short, posterior; with two minute contractile vacuoles and 1-2 lateroposterior refractive globules, bearing up to six short rod-like processes. Prosperangium uninucleate, producing interbiotic rhizoids. Sporangia spherical or oval, columnar, or top-shaped, dehiscent apically. Resting spores (â€˜zygosporesâ€™™) (sub)spherical, composed of numerous globules, with small spines or pegs, developed as an outgrowth of a fusion thallus. On germination, the spore buds out a sporangium.

Holotype: *Volvorax* Doweld 2013.